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Abstract Of The Disclosure

The present invention is directed to an anchoring balloon structure for use with catheters. The anchoring balloon structure contains an expandable balloon disposed about a port on a catheter, and a pressure-relief valve for regulating the pressure in the balloon and for providing irrigation to a body lumen. The pressure-relief valve is located external to the expandable balloon. The balloon, when filled with fluid, expands and is engaged in direct contact with the tissue. The increase in pressure caused by the balloon against the tissue causes any additional fluid to migrate into the valve region, whereby excess pressure is released and irrigation is provided to the body lumen.

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